

DICK JACKSON

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(403) 242-7398

SUMMARY OF QUALIFICATIONS

Strong background in IDL (Interactive Data Language by Research Systems Inc.), other high-level languages and GUI design. Ability to interact effectively with collaborators from diverse fields and to maintain continuing relations with clients.

WORK EXPERIENCE

D-Jackson Software Consulting **1999-present**
Calgary, Alberta

Owner, Software Consultant

Responsible for consulting with clients on small and large software projects developed in IDL, as well as research collaboration, informal mentoring and customized classroom training in IDL and software techniques. Ongoing projects include image processing, 3-D surface visualization/analysis and digital imaging/analysis kiosk systems for a "Fortune 100" consumer products company, as well as data processing and system integration for a biotechnology firm. Other duties include all management and business development activities.

Fanning Software Consulting **1998-1999**
Winnipeg, Manitoba and Calgary, Alberta
Software Consultant

Responsible for consulting with clients on small and large software projects developed in IDL. Projects included 3-D data visualization of mechanical parts for a large government agency and developing an object-oriented data processing toolbox for use in fusion research. Other duties included assisting in editing the most widely-used book on IDL programming techniques.

National Research Council **1992-1998**
Institute for Biodiagnostics
Winnipeg, Manitoba
Research Officer

Responsible for application development in IDL and support for other IDL programmers and users. Applications required innovative GUI design and integration with other software packages, to provide image and spectrum analysis of data from magnetic resonance and near-infrared sources. Other projects involved machine learning and genetic programming using the Common Lisp Object System.

Instruct and evaluate college students in the use of VoxelView, a 3-D medical image visualization and analysis program.

Responsible for support of Macintosh, PC, Unix and networking hardware and software, 3-D data visualization and analysis, WWW and intranet site, in-house and promotional video production.

**National Research Council
Canadian Institute for Industrial Technology
Winnipeg, Manitoba
Research Officer**

1988-1992

Responsible for knowledge engineering, object-oriented design and GUI design work on projects with collaborators in cancer treatment and the aerospace and manufacturing industries.

**River East School Division
Winnipeg, Manitoba
Seminar Instructor (part-time)**

November, 1988

Developed and delivered a one-day seminar for elementary school teachers on developing applications in HyperCard.

**Apple Canada
Apple Research Partnership Program
University of Manitoba,
Winnipeg, Manitoba
Research Partner (part-time)**

January - August, 1988

Assisted academic staff in discovering new ways to apply Macintosh technology to their teaching and research. Gave several presentations and organized a half-day symposium to showcase the ARPP group's work.

**University of Manitoba
Department of Continuing Education
Winnipeg, Manitoba
Course Instructor (part-time)**

1985-1986

Developed and delivered an eight-week course "Introduction to Macintosh," covering basic operation, word processing, graphics, spreadsheets and databases.

**University of Manitoba
Department of Computer Science
Winnipeg, Manitoba
Teaching Assistant (part-time)**

1983-1987

Conducted laboratory demonstrations, consulted with students and marked assignments for digital logic, microcomputer systems and programming courses.

EDUCATION

University of Manitoba 1984-1988
Winnipeg, Manitoba
Master of Science (Computer Science).

University of Manitoba 1980-1984
Winnipeg, Manitoba
Bachelor of Computer Science (Honours). GPA 3.79/4.00

OTHER LANGUAGES

French (functional)

INTERESTS AND ACTIVITIES

World travel
Music (piano, singing)
Sports (tennis, skiing, hiking, cycling)

REFERENCES

Available on request